**Goal 2 Day 1**

**Solving 1 Step Equations**

*In this lesson as well as future lessons we will be solving equations for a variable* ***(we are now going to be using equal signs).***

*In order to complete this lesson we need to understand our properties of equality as we as how to utilize simple operations to find the value of a variable.*

*When looking at one step equations, we need to first determine which operations occur within an equation.*

*We are looking to* ***isolate*** *the variable.*

Ex. The operation is addition, so we will need to subtract to isolate the

variable.

What you do to one side you must do to the other side as well to preserve the equality

Ex. The operation is subtraction, so we will add

Ex. The operation is multiplication, so we will need to divide

Whatever you do to one side you must do to the other as well in order to preserve the equality

Ex. Understand the operation used here is division, we will

multiply to isolate the variable.

If you multiply to one side you must do the same to the other

Ex.

Now we will take a look at **2 Step Equations.** When we see two step equations, we will work through the reverse order of operations.

Ex. The operations used are multiplication and addition

Reverse order of operations would mean we would look

at the addition first, so subtract from both sides

Now we see multiplication

Opposite of multiplication would be division

Now you try this one

Ex. The operations are addition and multiplication

Ex What are the operations used in this example?

Now let’s solve for a.

Ex.

Ex.

**Goal 2 Day 2 notes Continued**

Ex.

We will also encounter fractions within two step equations

Ex.

Ex.

Ex.